

What is claimed is:

1. A collapsible structure, comprising:

a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery;

a second panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the second panel having opposing first and second end edges;

a first interconnecting piece for coupling the first end edge of the second panel to the outer periphery of the first panel; and

a second interconnecting piece for coupling the second end edge of the second panel to the outer periphery of the first panel.

2. The structure of claim 1, wherein the second panel is flexed so that the first and second panels define an interior space, and with the opposing first and second end edges of the second panel coupled via the first and second interconnecting pieces to opposing locations of the first panel.

3. The structure of claim 2, wherein the second panel has a front edge that defines an opening for ingress and egress to the interior space.

4. The structure of claim 1, wherein the second panel has an outer periphery, and wherein the first and second panels

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Hz 2A

1. The first step is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.

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Since  
2nd Panel  
= 15 frames  
missing  
absolutely  
30

1st frame member

11. The structure of claim 7, wherein the second panel has a first side edge and an opposing second side edge, and wherein the first and second frame members of the second panel extend co-extensively with each other along the first and second end edges and along lower portions of the first and second side edges.

12. The structure of claim 11, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, and a second sleeve provided on the material of the second panel for retaining the second frame member, with the first and second sleeves converging to sleeve portions adjacent the first and second side edges which retain both the first and second frame members.

13. The structure of claim 12, wherein both first and second side edges are defined by the first sleeve.

14. The structure of claim 9, wherein the second panel has a first side edge and an opposing second side edge, and wherein the first and second frame members cross each other at opposing locations along the first side edge and along the second side edge.

15. The structure of claim 14, wherein the first side edge and the second side edge are each defined by a portion of the first sleeve and a portion of the second sleeve.

16. A collapsible structure, comprising:  
a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded

a second panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the second panel being flexed so that the first and second panels define an interior space, with the second panel having opposing first and second end edges that are attached to the material of the first panel and offset from the outer periphery.

17. The structure of claim 16, wherein the second panel has a front edge that defines an opening for ingress and egress to the interior space.

18. The structure of claim 16, wherein the second panel has an outer periphery, and wherein the first and second panels each has a sleeve extending along the outer peripheries thereof for retaining the respective frame member.

19. The structure of claim 16, further including a third panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the third panel being flexed so that the first and third panels define an interior space, with the third panel having opposing first and second end edges that are attached to the material of the first panel and offset from the outer periphery.

20. The structure of claim 16, wherein the foldable frame member of the second panel is a first frame member, and wherein

the second panel further includes a second foldable frame member that has a folded and an unfolded orientation, with the material partially covering the second frame member when the second frame member is in the unfolded orientation, with the material assuming the unfolded orientation of the first and second frame members.

21. The structure of claim 20, wherein the first and second frame members of the second panel are co-extensive with each other along a portion of the first and second end edges.

22. The structure of claim 20, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, and a second sleeve provided on the material of the second panel for retaining the second frame member, with the first and second sleeves converging to a sleeve portion adjacent each end edge which retains both the first and second frame members.

23. The structure of claim 22, wherein the second panel has a first side edge defined by the first sleeve, and an opposing second side edge defined by the second sleeve.

24. The structure of claim 20, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, and a second sleeve provided on the material of the second panel for retaining the second frame member, with the first and second sleeves spaced apart from each other at all points thereof, and with the second sleeve smaller than and lying within the periphery of the first sleeve.

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31. The structure of claim 29, wherein the first and second frame members cross each other at opposing locations adjacent the first and second end edges.

32. The structure of claim 29, wherein the second panel has a first side edge and an opposing second side edge, and wherein the first side edge and the second side edge are each defined by a portion of the first frame member and a portion of the second frame member.

33. The structure of claim 32, wherein the first and second frame members cross each other along the first side edge and along the second side edge.

34. The structure of claim 20, wherein the second panel further includes a third foldable frame member that has a folded and an unfolded orientation, with the material partially covering the third frame member when the third frame member is in the unfolded orientation, with the material assuming the unfolded orientation of the first, second and third frame members.

35. The structure of claim 34, wherein the second and third frame members cross each other at opposing locations thereof along the second panel.

36. The structure of claim 34, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, a second sleeve provided on the material of the second panel for retaining the second frame member, and a third sleeve provided on the material of the second panel for retaining the third frame member, with the first sleeve spaced apart from the second and third sleeves at all points thereof, and with the second and third sleeves smaller than and lying within the periphery of the first sleeve.

37. A collapsible structure, comprising:

a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery; and

a second panel having first and second foldable frame members, each having a folded and an unfolded orientation, and a material partially covering the frame members when the frame members are in the unfolded orientation, with the material assuming the unfolded orientation of the frame members, the second panel being flexed so that the first and second panels define an interior space, with the second panel having opposing first and second end edges that are coupled to the first panel adjacent the outer periphery;

wherein the first and second frame members are spaced apart from each other at all points thereof, and with the second frame member smaller than and lying within the periphery of the first frame member.

38. The structure of claim 37, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, and a second sleeve provided on the material of the second panel for retaining the second frame member.

39. A collapsible structure, comprising:

a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery; and



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a second panel having first and second foldable frame members, each having a folded and an unfolded orientation, and a material partially covering the frame members when the frame members are in the unfolded orientation, with the material assuming the unfolded orientation of the frame members, the second panel being flexed so that the first and second panels define an interior space, with the second panel having opposing first and second end edges that are coupled to the first panel adjacent the outer periphery;

wherein the second panel has a first side edge and an opposing second side edge, with the first and second frame members crossing each other at opposing locations along the first side edge and along the second side edge.

43. The structure of claim 42, wherein the first side edge and the second side edge are each defined by a portion of the first sleeve and a portion of the second sleeve.

44. The structure of claim 42, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, and a second sleeve provided on the material of the second panel for retaining the second frame member, with the first and second sleeves converging to a sleeve portion adjacent each end edge which retains both the first and second frame members.

45. A collapsible structure, comprising:

a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery; and

a second panel having first and second foldable frame members, each having a folded and an unfolded orientation, and a material partially covering the frame members when the frame members are in the unfolded orientation, with the material assuming the unfolded orientation of the frame members, the second panel being flexed so that the first and second panels define an interior space, with the second panel having opposing first and second end edges that are coupled to the first panel adjacent the outer periphery;

wherein the first and second frame members are spaced apart from each other at all points thereof, with the second frame member extending beyond the outer periphery of the first panel, and the second frame member having opposing first and second end edges that are coupled to the first and second end edges of the second panel by first and second interconnecting pieces, respectively.

46. The structure of claim 45, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, and a second sleeve provided on the material of the second panel for retaining the second frame member.

47. The structure of claim 46, wherein the first and second sleeves and their respective frame members define an extended interior space.

48. The structure of claim 46, wherein the interconnecting pieces extend across the outer periphery of the first panel.

49. The structure of claim 45, wherein the first and second end edges of the second frame member are attached to the material of the first panel.

50. The structure of claim 45, wherein the first and second end edges of the second frame member are coupled to the outer periphery of the first panel by third and fourth interconnecting pieces, respectively.

51. A collapsible structure, comprising:

a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery and

a second panel having first and second foldable frame members, each having a folded and an unfolded orientation, and a material partially covering the frame members when the frame members are in the unfolded orientation, with the material assuming the unfolded orientation of the frame members, the second panel being flexed so that the first and second panels define an interior space, with the second panel having opposing first and second end edges that are coupled to the first panel adjacent the outer periphery;

wherein the first and second frame members are positioned at opposite angles to each other, and cross each other at at least one location thereof.

52. The structure of claim 51, wherein the first and second frame members are co-extensive along a central portion of the second panel.

53. The structure of claim 51, wherein the first and second frame members cross each other at opposing locations adjacent the first and second end edges.

54. The structure of claim 51, wherein the second panel has a first side edge and an opposing second side edge, and wherein the first side edge and the second side edge are each defined by a portion of the first sleeve and a portion of the second sleeve.

55. The structure of claim 54, wherein the first and second frame members cross each other along the first side edge and along the second side edge.

56. The structure of claim 51, wherein a first portion of each end edge is defined by a portion of the first frame member, and a second portion of each end edge is defined by a portion of the second frame member, the first and second portions of each end edge being separate.

57. A collapsible structure, comprising:

a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery; and

a second panel having first, second and third foldable frame members, each having a folded and an unfolded orientation, and a material partially covering the frame members when the frame members are in the unfolded orientation, with the material assuming the unfolded orientation of the frame members, the second panel being flexed so that the first and second panels define an interior space, with the second panel having opposing first and second end edges that are coupled to the first panel adjacent the outer periphery.

58. The structure of claim 57, wherein the second and third frame members cross each other at opposing locations thereof along the second panel.

5 59. The structure of claim 57, wherein the first frame member is spaced apart from the second and third frame members at all points thereof, and with the second and third frame members smaller than and lying within the periphery of the first frame member.

10 60. The structure of claim 59, wherein the second panel has a first sleeve provided on the material of the second panel for retaining the first frame member, a second sleeve provided on the material of the second panel for retaining the second frame member, and a third sleeve provided on the material of the second panel for retaining the third frame member.

15 61. The structure of claim 59, wherein the second panel has a first side edge and an opposing second side edge, both first and second side edges defined by the first sleeve.

20 62. A collapsible structure, comprising:  
a base fabric having an outer periphery; and  
a panel having a foldable frame member that has a folded and  
25 an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the panel being flexed so that the base fabric and panel define an interior  
30 space, with the panel having opposing first and second end edges that are coupled to the first panel adjacent the outer periphery.

63. The structure of claim 62, further including an end fabric wall attached to one side of the panel and the outer periphery.

5 64. A collapsible structure, comprising:  
a base fabric having an outer periphery; and  
a panel having first, second and third foldable frame  
members, each having a folded and an unfolded orientation, and  
10 a material partially covering the frame members when the frame  
members are in the unfolded orientation, with the material  
assuming the unfolded orientation of the frame members, the  
panel being flexed so that the base fabric and panel define an  
interior space, with the panel having opposing first and second  
15 end edges that are coupled to the base fabric adjacent the  
outer periphery.

65. The structure of claim 64, wherein the second and third  
frame members cross each other at opposing locations thereof  
along the second panel.

20 66. The structure of claim 65, wherein the second panel has  
a first side edge and an opposing second side edge, and wherein  
the first and second frame members cross each other at opposing  
locations along the first side edge, and the first and third  
25 frame members cross each other at opposing locations along the  
second side edge.

67. The structure of claim 66, wherein the first side edge  
is defined by the first and second frame members, and wherein  
30 the second side edge is defined by the first and third frame  
members.

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a first base panel having a foldable frame member that has a folded and an unfolded orientation, and a material partially covering the frame member when the frame member is in the unfolded orientation, with the material assuming the unfolded orientation of its associated frame member, the first panel having an outer periphery; and

wherein the first and second end edges contact a surface upon which the structure rests, and the outer periphery of the first panel is coupled to the second panel at locations having a vertical level above the first and second end edges.

70. The structure of claim 68, wherein the outer periphery of the first panel is stitched to the material of the second panel.

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